ALWAYS DELIVERING

MORE PUNCH

WHEN YOU NEED IT.

THERMAL DYNAMICS

CUTMASTER TRUE SERIES

Plasma Cutting Systems & Accessories

THERMAL DYNAMICS
CUTMASTER® TRUE™ SERIES

www.thermal-dynamics.com

CUTMASTER, Why TRUE?

ALWAYS DELIVERING MORE PUNCH WHEN YOU NEED IT.

FOUR YEAR 4 WARRANTY

CUTMASTER® TRUE™ Series has been designed with the idea that recommended cut capacity should also be the TRUE cut capacity. The TRUE Cut Series eliminates the concept of having to "buy up", purchasing a machine larger than you actually need.

With the introduction of the CUTMASTER TRUE Series, a one-half inch recommended capacity machine will cut one-half inch material ALL DAY, EVERY DAY. NO EXCEPTIONS.

CUTMASTER TRUE SERIES 42	CUTMASTER TRUE SERIES 52	CUTMASTER TRUE SERIES 82	CUTMASTER TRUE SERIES 102	CUTMASTER TRUE SERIES 152
RECOMMENDED CUT 1/4"	RECOMMENDED CUT 1/2"	RECOMMENDED CUT 3/4"	RECOMMENDED CUT 1"	RECOMMENDED CUT 1 1/4"
MAXIMUM CUT 5/8"	MAXIMUM CUT 1 1/8"	MAXIMUM CUT 1 1/2"	MAXIMUM CUT 1 3/4"	MAXIMUM CUT 2"
150% MORE PUNCH WHEN YOU NEED IT.	125% MORE PUNCH WHEN YOU NEED IT.	100% MORE PUNCH WHEN YOU NEED IT.	75% MORE PUNCH WHEN YOU NEED IT.	60% MORE PUNCH WHEN YOU NEED IT.

U.S. Customer Care: 800-426-1888 / FAX 800-535-0557
Canada Customer Care: 905-827-4515 / FAX 800-588-1714

Truly MORE...

Truth #1
True Confidence

The CUTMASTER®TRUE™ Series microprocessor controlled front panel LED's assure extreme operator confidence and error free use from setup to clean up.

Truth #2
True Strength

The CUTMASTER TRUE Series allows you to work all day at our recommended cut capacity. But when you need that extra punch, you can be confident that it's there.

Truth #3
True Protection

As if a 4 YEAR unlimited power supply warranty wasn't enough, the CUTMASTER TRUE Series is the only line of plasma cutting machines that features TRUE GUARD™ – a rugged roll bar for added durability on our larger plasma systems.*

Truth #4
True Tip™

The Thermal Dynamics CUTMASTER TRUE Series plasma system offers the only 60 Amp drag cutting tip on the market today.*

Truth #5
True Flexibility

The new MULTI-VOLTAGE CUTMASTER TRUE Series features the versatile and patented 1Torch® with SureLok® technology. Consumable parts; lead extensions provide cutting up to 100' (30.5 m) from power supply; and the flexibility to move quickly from hand to mechanized cutting all with the change of a torch. (Add PCB for CNC interface.)

Truth #6
True Portability

The CUTMASTER TRUE Series offers lighter, more portable machines without compromising performance.

* Not available on the CUTMASTER 42

THERMAL DYNAMICS® CUTMASTER® TRUE™ SERIES 42

The POWER Of Two Machines Built Into One (120V and 230V)

VENT2SHIELD TECHNOLOGY

CUTMASTER TRUE SERIES **42**

RECOMMENDED CUT **1/4"**

MAXIMUM CUT **5/8"**

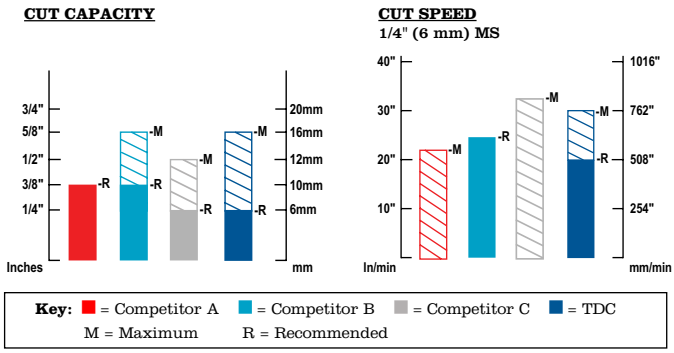
150% MORE PUNCH WHEN YOU NEED IT.

APPLICATIONS INCLUDE:

- ✶ Auto Body / Marine Repair
- ✶ Plumbing & HVAC
- ✶ Home Shop
- ✶ Metal Building & Roofing Construction
- ✶ Rental Fleets

The all-new THERMAL DYNAMICS® TRUE™ Series CUTMASTER® 42 is one of the most affordable, highest quality 1/4" (6 mm) plasma systems on the market. As part of the TRUE Series, you can rely on the CUTMASTER 42 to cut all day at its recommended cutting capacity and to pack more punch when you need it.

The CUTMASTER 42 incorporates Vent2Shield (V2S) technology allowing the use of a considerably smaller compressor (less weight to carry, can be used with 120V) compared to similar 40A units.



MACHINE SPECIFICATIONS	
Maximum Amperage Output	27A @ 120V 40A @ 230V
Output Power	3.8 kW
Recommended Cut	1/4" (6 mm) @ 120V 3/8" (9.5 mm) @ 230V
Maximum Cut	5/8" (15 mm) @ 120V 7/8" (22.2 mm) @ 230V
Pierce Rating	1/4" (6 mm) @ 120V 3/8" (9.5 mm) @ 230V
Input Voltage	120/230V, 1 ph, 50/60 Hz
Duty Cycle (@ 40° C)	40% @ 40A @ 230V
Amperage Draw	29A @ 120V 15A @ 230V
Dimensions: (H x W x D)	9.0" (228 mm) x 7" (117 mm) x 18.5" (470 mm)
Weight	26 lbs. (11.8 kg)
Warranty (Parts & Labor)	4 Years
TORCH SPECIFICATIONS	
Torch Model	SL40™
Air Pressure	75 psi (5.2 bar)
Flow	3.2 cfm (91 l/m)
Warranty (Pars & Labor)	1 Year

U.S. Customer Care: 800-426-1888 / FAX 800-535-0557
Canada Customer Care: 905-827-4515 / FAX 800-588-1714

CUTMASTER TRUE SERIES

52

RECOMMENDED CUT **1/2"**

MAXIMUM CUT **1⅛"**

125%

MORE PUNCH

WHEN YOU NEED IT.

THERMAL DYNAMICS CUTMASTER® TRUE™ SERIES 52

APPLICATIONS INCLUDE:

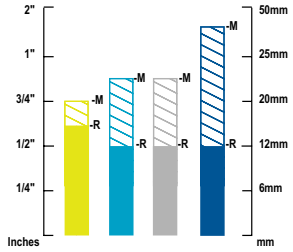
- ✶ Construction
- ✶ Maintenance / Repair
- ✶ Fabrication

The CUTMASTER® 52 is the most powerful and lightest weight 1/2" (12 mm) machine on the market today.

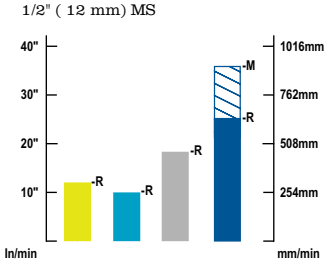
The CUTMASTER TRUE™ Series are the only systems that offer the precision of the TRUE Cut Drag Tip Series™. The 60 Amp tip allows the system to drag cut up to 1/4" (6 mm) with ease. Giving the absolute best cut quality possible.

This unit cuts through mild, stainless, or aluminum up to 1 1/8" (30 mm) thick. The CUTMASTER 52 combines power with the well known performance and features of the industry-leading 1Torch®.

CUT CAPACITY



CUT SPEED
1/2" (12 mm) MS



Key: = Competitor A = Competitor B = Competitor C = TDC
M = Maximum R = Recommended

MACHINE SPECIFICATIONS	
Maximum Amperage Output	60A
Output Power	6.2 kW
Recommended Cut	1/2" (12 mm)
Maximum Cut	1 1/8" (30 mm)
Pierce Rating	1/2" (12 mm)
Input Voltage	208-230V/460V, 1/3 ph, 50/60 Hz 400V, 3 ph, 50 Hz 600V, 3 ph, 50/60 Hz
Duty Cycle (@ 40° C)	40% @ 60A 60% @ 55A 100% @ 50A
Amperage Draw	45A @ 230V, 1 ph 24A @ 230V, 3 ph 16A @ 460V, 3 ph
Dimensions: (H x W x D)	15" (381 mm) x 12" (305 mm) x 24" (610 mm)
Weight	43 lbs. (19.5 kg)
Warranty (Parts & Labor)	4 Years
TORCH SPECIFICATIONS	
Hand	SL60®
Automated & Mechanized	SL100®
Air Pressure	75 psi (5.2 bar)
Flow	6.7 cfm (190 l/m)
Warranty (Pars & Labor)	1 Year

THERMAL DYNAMICS
CUTMASTER® TRUE™ SERIES 82

CUTMASTER TRUE SERIES
82
RECOMMENDED CUT 3/4"
MAXIMUM CUT 1½"
100% MORE PUNCH WHEN YOU NEED IT.

APPLICATIONS INCLUDE:

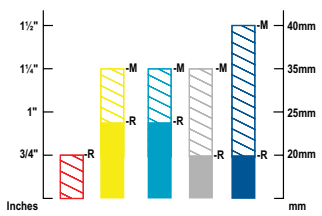
✶ Heavy Fabrication

✶ Manufacturing ✶ Contractors

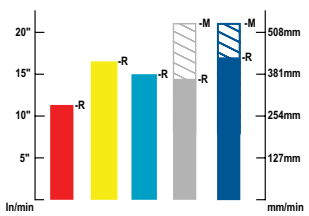
The CUTMASTER® 82 weighs in at a mere 43 lbs. (19.5 kg) almost 50% less than its leading competitor, while still offering superior cutting power.

Don't let the size of this unit fool you, it's more than capable of cutting 3/4" (20 mm) with a maximum capability of 1½" (40 mm). This unit, like all other TRUE™ CUTMASTERs, is equipped with the 1Torch®.

CUT CAPACITY



CUT SPEED
3/4" (20 mm) MS



Key: = Competitor A = Competitor B = Competitor C = Competitor D = TDC
M = Maximum R = Recommended

MACHINE SPECIFICATIONS	
Maximum Amperage Output	80A
Output Power	9 kW
Recommended Cut	3/4" (20 mm)
Maximum Cut	1½" (40 mm)
Pierce Rating	5/8" (15 mm)
Input Voltage	208-230/460V, 1/3 ph, 50/60Hz 400V, 3 ph, 50 Hz 600V, 3 ph, 50/60 Hz
Duty Cycle (@ 40° C)	40% @ 80A 60% @ 65A 100% @ 55A
Amperage Draw	72A @ 230V, 1 ph 39A @ 230V, 3 ph 21A @ 460V, 3 ph
Dimensions: (H x W x D)	15" (381 mm) x 12" (305 mm) x 24" (610 mm)
Weight	43 lbs. (19.5 kg)
Warranty (Parts & Labor)	4 Years
TORCH SPECIFICATIONS	
Hand	SL60®
Automated & Mechanized	SL100®
Air Pressure	70 psi (4.8 bar)
Flow	6.7 cfm (190 l/m)
Warranty (Pars & Labor)	1 Year

U.S. Customer Care: 800-426-1888 / FAX 800-535-0557
Canada Customer Care: 905-827-4515 / FAX 800-588-1714

CUTMASTER TRUE SERIES
102
RECOMMENDED CUT
1"
MAXIMUM CUT
1¾"
75%
MORE PUNCH
WHEN YOU NEED IT.

THERMAL DYNAMICS CUTMASTER® TRUE™ SERIES 102

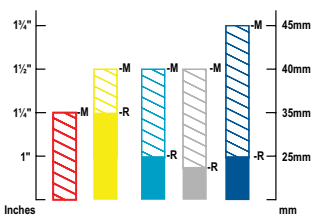
APPLICATIONS INCLUDE:

- ✶ Heavy Fabrication
- ✶ Manufacturing

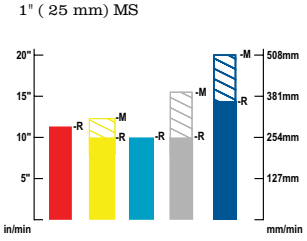
The CUTMASTER® 102 is the fastest cutting 1" (25 mm) machine on the market today. This unit's light weight compact design combined with multiple voltage selection makes it the most portable and powerful cutting machine available.

This unit combined with the 1Torch® has a maximum cut capacity of 1¾" (45 mm). More cut capacity than any other system in its class!

CUT CAPACITY



CUT SPEED
1" (25 mm) MS



Key: = Competitor A = Competitor B = Competitor C = Competitor D = TDC
M = Maximum R = Recommended

MACHINE SPECIFICATIONS	
Maximum Amperage Output	100A
Output Power	12 kW
Recommended Cut	1" (25 mm)
Maximum Cut	1 ¾" (45 mm)
Pierce Rating	3/4" (20 mm)
Input Voltage	208V, 230-460V, 1/3 ph, 50/60 Hz 400V, 3 ph, 50 Hz 600V, 3 ph, 50/60 Hz
Duty Cycle (@ 40° C)	60% @ 100A 80% @ 80A 100% @ 70A
Amperage Draw	95A @ 230V, 1 ph 45A @ 230V, 3 ph 29A @ 460V, 3 ph
Dimensions: (H x W x D)	15" (381 mm) x 12" (305 mm) x 30" (762 mm)
Weight	62 lbs. (28.1 kg)
Warranty (Parts & Labor)	4 Years
TORCH SPECIFICATIONS	
Hand, Automated & Mechanized	SL100®
Air Pressure	70 psi (4.8 bar)
Flow	7.5 cfm (212 l/m)
Warranty (Pars & Labor)	1 Year

THERMAL DYNAMICS
CUTMASTER® TRUE™ SERIES 152

CUTMASTER TRUE SERIES
152
RECOMMENDED CUT
1¼"
MAXIMUM CUT
2"
60% MORE PUNCH
WHEN YOU NEED IT.

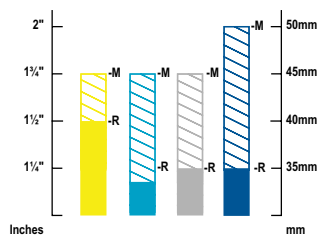
APPLICATIONS INCLUDE:

- ✶ Heavy Fabrication
- ✶ Manufacturing

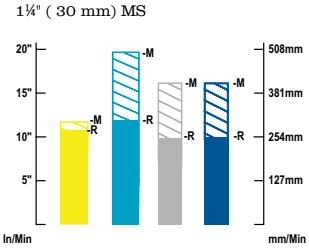
The CUTMASTER® 152 is the heavy weight of hand held cutting systems. This unit comes in a compact-light weight package, but don't let that fool you. It offers enough cutting power to cut 2" (50 mm) material.

This compact unit, like all other CUTMASTERs, comes standard with the 1Torch®. Providing you with the well known comfort and reliability famous throughout the industry.

CUT CAPACITY



CUT SPEED
1¼" (30 mm) MS



Key: = Competitor A = Competitor B = Competitor C = TDC
M = Maximum R = Recommended

MACHINE SPECIFICATIONS	
Maximum Amperage Output	120A
Output Power	15.4 kW
Recommended Cut	1¼" (30 mm)
Maximum Cut	2" (50 mm)
Pierce Rating	1" (25 mm)
Input Voltage	208V, 230-460V, 1/3 ph, 50/60 Hz 400V, 3 ph, 50 Hz 600V, 3 ph, 50/60 Hz
Duty Cycle (@ 40° C)	80% @ 120A 100% @ 110A
Amperage Draw	120A @ 230V, 1 ph 56A @ 230V, 3 ph 37A @ 460V, 3 ph
Dimensions: (H x W x D)	15" (381 mm) x 12" (305 mm) x 30" (762 mm)
Weight	62 lbs. (28.1 kg)
Warranty (Parts & Labor)	4 Years
TORCH SPECIFICATIONS	
Hand, Automated & Mechanized	SL100®
Air Pressure	70 psi (4.8 bar)
Flow	7.5 cfm (212 l/m)
Warranty (Pars & Labor)	1 Year

U.S. Customer Care: 800-426-1888 / FAX 800-535-0557
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CUTMASTER TRUE SERIES: Superior Performance Features

Note: Features apply to 52, 82, 102 and 152 models only

Universal selectable input power from 208 to 460 VAC ± 10%, single or three phase, 50 or 60 Hz.

TRUE GUARD™ roll bar provides easy transportation and protects the front and rear of the power supply for unmatched durability.

Color Coded LED's indicate pressure status and setup errors.

All user controls are conveniently located on the front panel.

Trigger latch feature prevents hand fatigue during long cuts. Auto Pilot Restart feature instantly reignites the pilot arc while cutting expanded metals.

Convenient storage compartment for spare and consumable parts

Lightweight design improves portability (Reduced nearly 50%).

Multiple Torch Capability
(Hand, Mechanized, Automation)

The Industry's only 60 Amp Drag Tip

1Torch® Consumable Parts Application Guide

For SL60® and SL100® Manual Cutting and Gouging Operations

Drag Tip Cutting

The preferred method of cutting light gauge metal up to 1/4" (6 mm) thickness. Produces the best cut quality narrowest kerf width, fastest cutting speeds, and with little to no distortion. Traditional drag cutting was limited to 40 Amps or less; now with Thermal Dynamics® TRUE™ Cut Drag Tip Series™ technology, it is possible to cut up to 60 Amps. For best results, use the Shield Cup with the torch tip in direct contact with the work (up to 60 Amps).

Standoff Cutting

The preferred method of cutting metal thicker than 1/4" (6 mm) and at current levels above 60 Amps. Provides maximum visibility and accessibility. Shield cup for 'standoff' cutting (with the torch tip 1/8" (3 mm) to 1/4" (6 mm) from the work piece). Use the shield cup body together with the deflector for extended parts life and improved resistance to reflect heat. This combination provides cutting results similar to the single piece shield cup, as well as easy changeover to gouging or drag shield cutting.

Drag Shield Cutting

This is an operator-friendly method of cutting between 70 to 120 Amps while maintaining a constant standoff distance. For metal thickness greater than 1/4" (6 mm), simply drag the shield cap in contact with the work piece. Use the shield cup body with the appropriate drag shield cap matching the current level being used. This method is not recommended for cutting light-gauge sheet metal.

Gouging

A simple method of metal removal by angling the torch to a lead angle of 35°-45°, and using a gouging tip. While maintaining a constant standoff distance, this allows for only a partial penetration into the work, thus removing metal from the surface. The amount of current, travel speed, standoff distance, lead angle, and tip size will determine the amount of material removed and the profile of the gouge. You can use the shield cup body with either the gouging shield cap or the shield deflector. Also, you can use the single piece shield cup.

Gouging Profiles

	Output Range	Depth	Width	Profile
Tip A	40 Amps (MAX)	Shallow	Narrow	
Tip B	50-100 Amps	Deep	Narrow	
Tip C	60-120 Amps	Moderate	Moderate	
Tip D	60-120 Amps	Shallow	Wide	
Tip E	120 Amps	Moderate	Wide	

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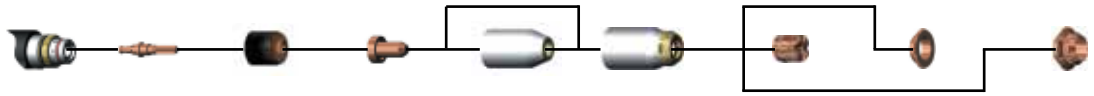
1Torch® Consumables Selection Guide



Ordering Information

Current Range	Mode Of Operation	Amps	Electrode	Start Cartridge	Tip	Shield Cup	Shield Cup Body	Drag Shield Cap	Deflector	Gouging Shield Cap
SL60® and SL100® Consumables										
20-40 Amps	Drag Tip / Cutting	20A	9-8215	9-8213	9-8205	9-8218				
		30A			9-8206	9-8218				
		40A			9-8207	9-8218				
		20A			9-8205		9-8237		9-8243	
		30A			9-8206		9-8237		9-8243	
		40A			9-8207		9-8237		9-8243	
	Standoff Cutting	40A			9-8208	9-8218				9-8241
		40A			9-8208		9-8237		9-8243	
	Gouging	Tip A			9-8225		9-8237			
50-60 Amps	Drag Tip / Cutting	60A	9-8215	9-8213	9-8252	9-8218				
	Standoff Cutting	50-55A			9-8209	9-8218				
		60A			9-8210	9-8218				
		50-55A			9-8209		9-8237		9-8243	
		60A			9-8210		9-8237		9-8243	
	Drag Shield Cutting	50-55A			9-8209		9-8237	9-8235		
		60A			9-8210		9-8237	9-8235		
	Gouging	Tip B			9-8226		9-8237			9-8241
		Tip C			9-8227		9-8237			9-8241
		Tip D			9-8228		9-8237			9-8241
70-100 Amps	Standoff Cutting	70A	9-8215	9-8213	9-8231	9-8218				
		80A			9-8211	9-8218				
		90-100A			9-8212	9-8218				
		70A			9-8231		9-8237		9-8243	
		80A			9-8211		9-8237		9-8243	
		90-100A			9-8212		9-8237		9-8243	
	Drag Shield Cutting	70A			9-8231		9-8237	9-8236		
		80A			9-8211		9-8237	9-8236		
		90-100A			9-8212		9-8237	9-8236		
	Gouging	Tip B			9-8226		9-8237			9-8241
		Tip C			9-8227		9-8237			9-8241
		Tip D			9-8228		9-8237			9-8241
120 Amps	Standoff Cutting	120A	9-8215	9-8213	9-8253		9-8237		9-8243	
	Drag Shield Cutting	120A			9-8253		9-8237	9-8258	9-8243	
	Gouging	Tip E			9-8254		9-8237		9-8243	9-8241
NEW SL40™ Consumables (for use with NEW CUTMASTER® 42)										
10-40 Amps	Standoff Cutting	40A	9-0096	9-0097	9-0094	9-0098				
	Drag Tip / Cutting	20A			9-0091					
	Drag Tip / Cutting	40A			9-0093					

Accessories

TORCH CUTTING GUIDES / GUIDE KITS

Cutting Guide Kit (Deluxe)
Cat. No. 7-8910

Cuts circles from 2⅛" (54 mm) to 41½" (1054 mm) with proper cutting attachments. This kit includes easy add-on attachments to fit most Thermal Dynamics torches for precise straight line, circle cutting and beveling. Includes Carrying Case, Radius/ Roller Kit (7-7501), Circle Cutting Guide (7-3291), Magnetic Pivot, Suction Pivot.

Circle Cutting Guide Kit
Cat. No. 7-3291

Cuts 2⅛" (54 mm) to 27¾" (705 mm) circles (using magnetic attachment) when cutting or beveling is required. For use with most Thermal Dynamics torches. Guide shown with optional pivot (7-3148).

Radius / Roller Cutting Guide Kit
Cat. No. 7-7501

This easy-to-use guide cuts circles from 3" (76 mm) up to 28¾" (730 mm). Maintains a consistent height off the work piece whether you are using the circle cutting attachment for cutting circles or the roller guide feature to improve your straight-line cutting. Both novices and experts will see noticeable improvement in quality, speed, and parts life. Can be used with most Thermal Dynamics® torches. Cutting Bushing (7-2915) for use with the SL40™ torch.

Straight Line Cutting Guide
Cat. No. 7-8911

Introducing a new cutting guide accessory suitable for all hand torches. This versatile, straight line cutter is for hand held systems and it cuts vertical, 90° or bevel cuts. Its consistent standoff improves cut quality and maximizes overall performance. Produces more efficient straight line cuts.

Lightweight, minimum set up time, and no power required. Magnetic mounts ensure placement and ease of use. Optional suction plates available for non-magnetic applications (i.e. aluminum and stainless steel). The Cutting Guide Kit includes: 4 ft. (1.2 m) standard rail Torch Holder and Bushing Heavy Duty Magnets (2 ea.) Slide Assembly Wheels and Fasteners. Optional 4 ft. (1.2 m) extensions (9-7971) available.

CUTMASTER® TRUE™ Standoff Cutting Guides
Cat. No. 9-8281 (CUTMASTER 52, 82, 102 and 152)
Cat. No. 9-0090 (CUTMASTER 42)

The CUTMASTER TRUE Standoff Cutting Guide is now available for the SL40™ torch, in addition to the SL60® AND SL100® torches.

Cutting Guide Bushing
Cat. No. 7-2915

Designed to fit the SL40 torch specific to the CUTMASTER 42 system. This bushing accommodates the use of the SL40 torch with the cutting guides.

MISCELLANEOUS TORCH ACCESSORIES

Leather Lead Covers

15 ft. (4.6 m)	9-1258
20 ft. (6.1 m)	9-1260
25 ft. (7.6 m)	9-1270
50 ft. (15.2 m)	9-1280

These lead covers are suitable for both 1Torch® and SureLok® leads. Snaps make it easy to install. For wider torches, consider snapping two covers together width wise.

Trigger Guard Guides
1Torch (SL60 and SL100)
Cat. No. 9-8420 - Short Trigger Guard
Cat. No. 9-8421 - Long Trigger Guard

These guards offer additional protection from accidental activation or damage to the torch switch.

Remote Pendant Control
Cat. No. 7-3460 - 20 ft. (6.1 m)

Remote Pendant Control for your mechanized application.

Hand Pendant Extension
Cat. No. 7-7744 - 25 ft. (7.6 m)

U.S. Customer Care: 800-426-1888 / FAX 800-535-0557
Canada Customer Care: 905-827-4515 / FAX 800-588-1714

ATC® Lead Extensions

15 ft. (4.6 m)	7-7544
25 ft. (7.6 m)	7-7545
50 ft. (15.2 m)	7-7552

Available for any system using 1Torch® with ATC Quick Disconnect. Leads Extensions enable you to customize your lead length to suit the cutting job.

AIR FILTER / AIR FILTER KITS

For improved consumable parts life and overall performance, Thermal Dynamics recommends Air Filter Kits be used on all plasma cutting systems.

Single Stage Air Filter Kit
Cat. No. 7-7507 (Filter Body 9-7740, Hose 9-7742, Filter Element 9-7741)

For use with shop compressed air systems, this in-line filter will not allow moisture or water to pass through the filter element even if it becomes completely saturated. This hi-tech filter element actually blocks the absorption of water to increase performance and improve consumable parts life.

Two Stage Air Filter
Cat. No. 9-9387

First Stage Element
Cat. No. 9-1021

Second Stage Element
Cat. No. 9-1022

PORTABLE GEAR

Multi-Purpose Cart
Cat. No. 7-8888
Designed for most portable manual cutting systems such as the PakMaster® or CUTMASTER®, or any similar sized systems.

This rugged steel cart has easy rolling 8" (203 mm) diameter wheels along with 3" (76 mm) front mounted casters. This cart also serves as an excellent showroom display stand.

MISCELLANEOUS ACCESSORIES

Welding Gloves
Cat. No. 9-1250

Plasma Cutting Techniques DVD
Cat. No. 9-1253

AUTOMATION ACCESSORIES

Automation Interface Kit
Cat. No. 9-8311 - For CUTMASTER TRUE™ Series (52, 82, 102, and 152)

CNC Interface Cable	25 ft. (7.6 m)	9-8312
	50 ft. (15.2 m)	9-8313
	75 ft. (22.8 m)	9-8315
	100 ft. (30.5 m)	9-8316
	125 ft. (38.0 m)	9-8317

Pinion Assembly
Cat. No. 7-2827 - 1⅜" (35 mm) Diameter

MORE PUNCH
WHEN YOU NEED IT.

How to Contact Us

Customer Care	ph: 1-800-426-1888	fax: 1-800-535-0557
Automation Customer Care	ph: 1-866-279-2628	fax: 1-800-535-0557
International Customer Care	ph: 1-940-381-1212	fax: 1-940-483-8178
Technical & Application Product Services	ph: 1-800-PLASMA2 (1-800-752-7622)	
Technical Service Email	tdctech@VictorTechnologies.com	
Customer Service Email	tdcparts@VictorTechnologies.com	
Website:	www.thermal-dynamics.com or www.VictorTechnologies.com	

Sales

At Thermal Dynamics®, we work hard to provide the product information, product demonstrations, Technical expertise, and service your business expects. Thermal Dynamics' District Business Managers work closely with welding distributors across the country to provide product information, demos and training.

When you need product information or want to order our products, contact your local Thermal Dynamics Authorized Distributor. For a list of distributors in your area, call our Customer Care Center at 1-800-426-1888.

Literature Requests

Product literature, operating manuals, and service manuals are all available through our distributors or on our website.

Technical & Application Product Services

Our Technical Service specialists are some of the most valued and experienced in the industry. They can provide assistance with both troubleshooting day-to-day technical issues and cutting process expertise. Contact Technical Service at 1-800-PLASMA2 (1-800-752-7622).

In addition, we have Technical Sales Managers available to conduct sales and service training schools.
Contact your Victor Technologies District Business Manager.

Service & Repair

Thermal Dynamics products either meet or exceed industry standards, and our torches and power supplies are backed with excellent warranties. With each system or torch, we include an Operating Manual which contains basic troubleshooting and parts replacement procedures. Service Manuals are also available by request to service technicians familiar with high voltage, high power electronics. Service Manuals cover complex troubleshooting procedures and include schematics.

Your local Distributor may also provide on-site service for the products they sell. Additionally, we have a network of authorized independent service centers across the country where you can take your equipment for service. For the service center nearest you, contact Thermal Dynamics' Customer Care Center at 1-800-426-1888.

Ordering Information

Product Description	Catalog No.
Plasma Cutting Systems	**120/230V 1 Phase**
CUTMASTER® 42 with SL40™ 75° hand torch 15 ft. (4.5 m) lead	1-4200
CUTMASTER 42 (Canada Version) with SL40 75° hand torch 15 ft. (4.5 m) lead	1-4200-7

Note: All Cutmaster True™ Series systems are designed to accept multi-voltage input; they can be ordered pre-configured for the voltage most likely to be used. The two configurations of catalog numbers listed are set up so that the machine is ordered in the configuration most often used by the individual customer, so that they do not need to add or change input power cable to operate upon receipt of the machine.

	208/230V 1 Phase	460V 3 Phase	600V 3 Phase
CUTMASTER 52 with SL60® 75° hand torch 20 ft. (6.1 m) lead	1-5130-1	1-5130-2	1-5130-5
CUTMASTER 52 with SL60 75° hand torch 50 ft. (15.2 m) lead	1-5131-1	1-5131-2	1-5131-5
CUTMASTER 102 with SL100® 75° hand torch 20 ft. (6.1 m) lead	1-1330-1	1-1330-2	1-1330-5
CUTMASTER 102 with SL100 75° hand torch 50 ft. (15.2 m) lead	1-1331-1	1-331-2	1-1331-5

	208/230V 1 Phase	460V 3 Phase	600V 3 Phase
CUTMASTER 82 with SL60 75° hand torch 20 ft. (6.1 m) lead	1-1130-1	1-1130-2	1-1130-5
CUTMASTER 82 with SL60 75° hand torch 50 ft. (15.2 m) lead	1-1131-1	1-1131-2	1-1131-5
CUTMASTER 152 with SL100 75° hand torch 20 ft. (6.1 m) lead	1-1730-1	1-1730-2	1-1730-5
CUTMASTER 152 with SL100 75° hand torch 50 ft. (15.2 m) lead	1-1731-1	1-1731-2	1-1731-5

Torch Leads Packages	Hand
SL40, 75°, 15 ft. (4.5 m) torch/leads	7-0040
SL60, 75°, 20 ft. (6.1 m) torch/leads	7-5204
SL60, 75°, 50 ft. (15.2 m) torch/leads	7-5205
SL100, 75°, 20 ft. (6.1 m) torch/leads	7-5206
SL100, 75°, 50 ft. (15.2 m) torch/leads	7-5208
SL60, 90°, 20 ft. (6.1 m) torch/leads	7-5260
SL60, 90°, 45 ft. (13.7 m) torch/leads*	7-5260
SL100, 90°, 20 ft. (6.1 m) torch/leads	7-5263
SL100, 90°, 45 ft. (13.7 m) torch/leads**	7-5263

Torch Leads Packages	Auto	Mech.
SL100, 180° 5 ft. (1.5 m) torch/leads		7-5213
SL100, 180° 10 ft. (3.0 m) torch/leads		7-5214
SL100, 180° 25 ft. (7.6 m) torch/leads	7-4001	7-5215
SL100, 180° 35 ft. (10.6 m) torch/leads	7-4002	
SL100, 180° 50 ft. (15.2 m) torch/leads	7-4003	7-5216

Torch Accessories	
Pinion Assembly	7-2827
Automation Interface Kit (TRUE Series 82,102,152)	9-8311

* Use 7-5260 with 7-7545 for a SL60, 45 ft. (13.7 m)
** Use 7-5263 with 7-7545 for a SL100, 45 ft. (13.7 m)

1Torch, a trademark of Thermal Dynamics Corporation, is registered with the U.S. Patent and Trademark Office, and is the subject of trademark registrations and pending applications in numerous other countries. For information on trademark registrations of Thermal Dynamics Corporation, contact the local trademark offices in the countries of interest.

VICTOR™ TECHNOLOGIES™

INNOVATION TO SHAPE THE WORLD™

U.S. Customer Care: 800-426-1888 • Canada Customer Care: 905-827-4515 • International Customer Care: 940-381-1212

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